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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Oil, Gas & Mining**

MICHAEL R. STYLER  
Executive Director

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Division Director

**Inspection Report**

Supervisor DRH

**Minerals Regulatory Program**  
**Date of Report:** November 13, 2007

**Mine Name:** Monoclinic  
**Operator Name:** Bill Harrison

**Permit number:** S0370085  
**Inspection Date:** January 10,  
2007  
**Time:** 9:30-9:40 AM

**Inspector(s):** Paul Baker and Doug Jensen  
**Other Participants:** Bill Harrison  
**Mine Status:** Reclaimed

**Weather:** Clear, teens, up to six  
inches of snow on the ground

*Elements of Inspection*

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Purpose of Inspection:**

The operator had requested a variance from revegetation requirements and had also verbally requested release. I wanted to see if there was any sign of vegetation.

**Inspection Summary:**

1. Permits, Revisions, Transfer, Bonds

On October 31, 2005, the Division received a request for a variance from revegetation requirements, and on March 21, 2007, the Division received a request for site release. The Division's response to the variance request was that it would like to wait until the next growing season (2006) to see if the seeding was successful.

The BLM closed its case file for this site on January 17, 2006.

10. Revegetation

Because the site was covered with snow, it was not possible to see any low vegetation in the depressions. I had made undocumented visits to the mine in the summer of 2006, and there were no signs of germination.

I only know personally of one time the operator has seeded, but he told me he has seeded four times. I do not know what methods were used the first three times, but the methods used on the fourth attempt are shown in photos included in a report for an October 5, 2005, inspection. The area was left very rough, and seed was applied shortly after surface preparation.

**Conclusions and Recommendations:**

This is a previously disturbed site, and I suspect the soils are either acidic or have toxicity problems. Very few volunteer plants have become established in any of the disturbed areas, and there are not even any weeds. I feel the operator has done everything practical to establish vegetation and that the Division should release the site. No surety is being held.

Inspector's Signature Rebecca Doolittle Date: 11/16/07

PBB:pb

cc: Bill Harrison, operator  
Rebecca Doolittle, Moab BLM  
Attachment: Photos

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## ATTACHMENT

### Photographs

S0370085, Monoclinic Mine, Bill Harrison

Inspection Dated: January 10, 2007; Report Dated: November 13, 2007



**Photo 1. An overview of the an area that was roughened and seeded in 2005. In this inspection and in an undocumented site visit in the summer of 2006, I saw no sign of vegetation establishment from seed.**